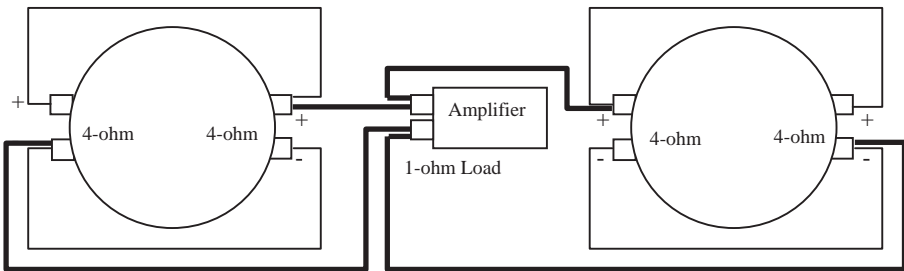
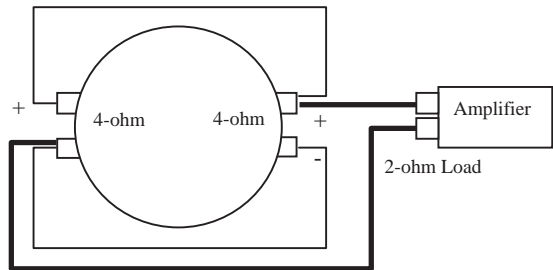
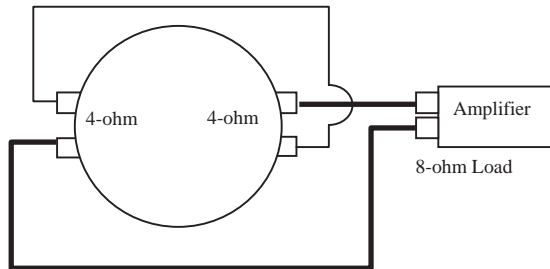


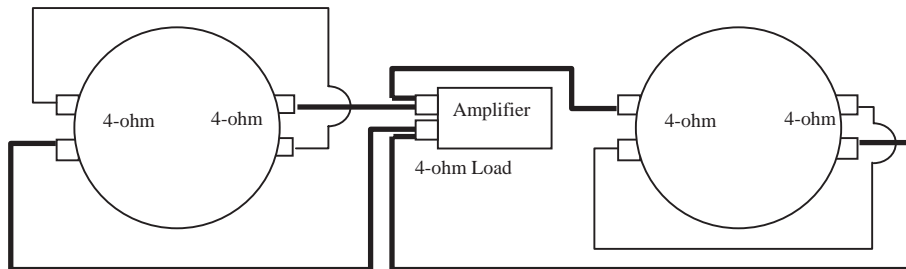
Parallel voice coil configuration



Series voice coil configuration



Series/Parallel voice coil configuration



POWER ACOUSTIK

SL-10W
SL-12W

Owner's manual

Power Acoustik SL Series Woofers

Congratulations on your purchase of one of the finest woofers available for your vehicle today.

If you are an enthusiast that plays your system loud and hard, the SL woofers will take you to the limit. Our small sealed enclosure, high excursion design will move enough air to part your hair. Let your woofers do all the talking to let everyone know you are "Serious about your sound".

Please take a few moments to fill out the warranty card and review this manual before installing this woofer for proper connections and box sizes.

Common Features:

- Wide UV Coated Foam Surround
- Black Chrome Coated PP Cone
- Stiff Poly Cotton Spider
- Dual 4 ohm 2" KSV Voice Coil
- Reinforced Aluminum Voice Coil Former
- Integrated Tinsel Leads
- Stamped Steel Basket
- Steel Gasket
- Black Chrome Finish
- Chrome Push Terminals
- Vented Pole Piece

Specifications:

SL-10W

800 watts power handling
 400 watts RMS
 70 oz. magnet
 2" KSV voice coil
 SPL 89 dB
 Fs:42 Hz
 Vas:1.06 cu.ft.
 Qms: 4.057 Qes: .667 Qts:.573
 Xmax:.32"

SL-12W

1000 watts power handling
 500 watts RMS
 80 oz. magnet
 2" KSV voice coil
 SPL 89 dB
 Fs:39 Hz
 Vas:1.20 cu.ft.
 Qms: 2.019 Qes: .674 Qts:.506
 Xmax:.32"

Recommended Box Sizes

Model	Sealed Box Size	Ported Box Size	Tune Freq.	#of Ports	Port (dia x length)
SL-10W	.95 cu. ft.	1.25 cu. ft.	38 Hz	1	3" x 8"
SL-12W	1.25 cu. ft.	2 cu. ft.	38 Hz	1	4" x 8.25"

Building the Enclosure

Determine the dimensions of your enclosure.

Be certain the box dimensions that you have designed will fit in the location you have chosen in your vehicle. Sometimes making a cardboard box with the same outside dimensions is helpful.

It is recommended to use .75* inch thick MDF (medium density fiberboard) to build you speaker box.

Use a "T" square to verify precise right angle cuts before you assemble the box. Use high quality wood glue and screws to assemble the box to guarantee an airtight box that will not come apart due to excess vibrati on and pressure. It is recommended for sealed enclosures to stuff the interior of the box with approximately 50% Dacron or Polyester fiberfill for increased sound damping and woofer performance.

For ported enclosures, it is recommended to staple 1" thick Dacron or Polyestrer insulation to the interior walls of your box.

Use slide on connectors for spade style connectors or bare wire for push and screw terminals. Do not solder the wires to the factory connectors as this may cause damage to the voice coil or tinsel lead and may void your warranty.

Recommended wiring

The following page will give you a few different options to match the impedance of the woofers to the impedance capability of the amplifier. Please read and follow the diagrams closely to insure maximum woofer performance.